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| **Meeting Date** | March 20, 2022 Sunday at 4:00 PM to 5:00 PM | | | | |
| **Attendees** | Matthew Traini, Paul Cronin, Raphael Muema, Marie Patrice Santiago | | | | |
| **Minutes** | * Rapha shared his testing on a time series model * Time series forecasting using RNN * Stick to 30-minute intervals * Agree to use one consolidated data set to apply the models * PVT Data includes all states but team will concentrate on NSW, SA, VIC and QLD only. * Discussion: No Solar Rooftop data was available from 2016. By mid 2018, 2 methods were used to gather solar data. (1) voluntary sharing smart meter data from private owners and (2) used satellite data – cloud energy. * Team suggested for Rahul to continue with Arima model due to his experience. * Paul will continue with Linear Model. Also looked into Multi-seasonal Time Series Models (Day, Week and Year) * Paul also started looking into draft for Final Report and story board video * Team agreed not to drop demand data * Paul tested data and found that days in a week has different demands depending. (ie, Tuesday and Anzac Day). To include features to determine if the day is a weekday, Saturday, Sunday and Public Holiday. * Datasets can be joined using date-time and state | | | | |
| **Problems Identified** | * Temperature reading is not in half hour interval. * Missing data in the temperature data set. | | | | |
| **Suggested Solutions to Problems Identified** | * Use a temperature from a 3rd party data to fill in the missing temperature data and to align with PVT, demand and forecast datasets. | | | | |
| **To Do** | Mat | Paul | Rahul | Rapha | Patrice |
| Consolidate datasets: PV, Temperature, Demand and Forecast | Create / complete Temperature Dataset | Imputed Dataset: Meter Stat Data (?) | Share research and continue with model testing / share findings | PM work and test model when consolidated dataset is available. |
| **Team Plan for this coming week** | * Meeting with Lina * Continue with exploratory data models * Next Team Meeting set on Thursday at 7PM * Attend meeting with Oliver Dunn | | | | |
| **Notes** | Rahul has contracted covid. Get well soon Rahul. We got your back! ~ Team C | | | | |